

## SEVERE LOCAL STORMS, AUGUST 1933

[Compiled by Mary O. Souder]

[The table herewith contains such data as have been received concerning severe local storms that occurred during the month. A revised list of tornadoes will appear in the Annual<sup>1</sup> Report of the Chief of Bureau]

Place	Date	Time	Width of path (yards)	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Phoenix, Mesa, Tempe, and Chandler, Ariz.	1				\$4,500	Wind	Money value represents cost of telephone poles and wires to be replaced.	Official, U.S. Weather.
Fulton, N.Y.	1				10,000	Electrical	Light and telephone systems damaged; barn with contents destroyed by fire after being struck by lightning; trees uprooted; property damaged.	Do.
Steuben and Yates Counties, N.Y.	1					Thunderstorm	Considerable damage to telephone and power lines; trees uprooted.	Do.
Springvale (near), Tenn.	1				10,000	Thunderstorm, heavy rain and hail.	Damage to State fish hatchery.	Do.
St. Joseph, Mo., 8 miles south.	2	4:15 p.m.			350	Tornado and heavy hail.	20 acres of corn destroyed; path narrow and not continuous.	Do.
Canon City, Colo.	2	6 p.m.	16			Hail.	Thousands of dollars loss to crops and gardens; considerable property damage.	Do.
Bellview, N.Mex.	2	P.m.	12			do.	Much damage to crops.	Do.
Lancaster (near), S.C.	2	do.		1		Thunderstorm.	1 person killed by lightning.	Do.
Idaho County, Idaho.	3-4	P.m.	16		50,000	Hail, wind, and rain.	Severe crop loss except in places where grains had been cut; gardens ruined; fences washed away by high water.	Do.
East Selah, Wash.	4	5 p.m.	11		4,000	Hail and rain.	Damage to fruit trees.	Do.
Winnsboro, S.C.	4	7 p.m.			500	Thunderstorm.	Church tower damaged by lightning.	Do.
York and Dauphin Counties, Pa.	4	P.m.		1	20,000	Severe electrical.	Lightning caused 2 fires and 1 death.	Do.
St. Paul, S.C.	4	do.			2,000	Thunderstorm.	Schoolhouse struck by lightning and burned.	Do.
Moiese-Polson, Mont.	4		880-1,760		7,500	Hail.	Damage severe in spots.	Do.
Old Hickory, Tenn.	4					Heavy rain.	Small child washed through a sewer pipe and drowned while playing in the street.	Do.
Brownsville, Tex., and vicinity.	4-5	P.m.		1	500,000	Hurricane.	Citrus growers were heaviest losers; loss to cotton crop; 2 small hangars at the Pan-American Airport blown away; other property damage.	Do.
Miami, Ariz.	6-7				1,000	Wind and rain.	Damage to roofs and awnings.	Do.
Tucson, Ariz.	9	3 p.m.			2,000	Thundersquall.	Trees blown down; property damaged.	Do.
Mattoon, Ill., vicinity of.	9					Heavy rain, electrical.	Trees and corn blown down; other damage.	Do.
Lewistown, Md.	10	8:30 a.m.	25			Tornado.	Several outbuildings demolished; large plate glass window smashed.	Do.
Chester, Ill.	10				4,000	Heavy rain, electrical.	Man injured by lightning; damage to highway construction work by flooding; trees and corn blown down.	Do.
Clear Lake and Glenwood City, Wis., vicinity of.	10		50	1	25,000	2 tornadoes.	2 persons injured by flying timbers; several buildings damaged; trees uprooted; path 20 miles long.	Do.
Rothschild and Rest Lake, Wis.	10				5,200	Thunderstorm.	Property damaged.	Do.
Merrill, Wis.	10					Hail.	Much damage to gardens; some property loss.	Do.
Ottawa, Ind.	12	4-5 p.m.	440		10,000	Tornado.	Damage to buildings; other property loss; path 880 yards long.	Do.
Charleston, S.C.	12	7 p.m.			150,000	Electrical.	Lightning struck a pile of sisal hemp; chimney of Charleston High School damaged.	Do.
Crossett, Ark.	12			1		Wind.	A person injured when a tree fell across a wagon.	Do.
Helena, Ark.	12					Wind, rain, and hail.	Considerable damage to plate-glass windows and awnings; trees uprooted; hail caused small damage to gardens and shrubbery.	Do.
Sparta (near), Ill.	13				10,500	Wind and hail.	Wind damage chiefly to buildings; loss to corn crop from hail.	Do.
Pittsburgh, Pa., and vicinity.	13					Thunderstorm and hail.	Loss to matured fruits, especially plums and tomatoes.	Do.
Lake Keuka and Lodi, N.Y., and vicinity.	13				100,000	Hail.	Large loss to fruit crops and gardens; property damaged.	Do.
Barneston, Nebr.	14	5-6 p.m.	11		500	do.	Property damaged.	Do.
Erick, Mayfield, and Beckham, Okla.	14	P.m.			5,000	do.	Damage mostly to crops.	Do.
Charleston, S.C.	16	A.m.			3,000	Electrical.	Huge oil tank struck by lightning.	Do.
Pasamonte, N.Mex.	16	3 p.m.	1,320			Hail.	Considerable damage to roofs and windows.	Do.
Benson, Ariz.	16	5:30 p.m.			3,000	Hail, rain, and wind.	2 barns and 6 tourist cabins wrecked; several roofs damaged; trees blown down.	Do.
Floriston, Calif.	16-17	P.m.			5,000	Heavy rain.	Damage to highways, railroad tracks, and industrial plants.	Do.
Miami, N.Mex.	17	2 p.m.	11		1,200	Hail.	Path 4 miles long.	Do.
Argyle, Wis., 5 miles northwest.	17					do.	Some hailstones are said to have weighed a pound; considerable damage to crops and property.	Do.
Spring Lake Heights, N.J.	18	P.m.				Tornado.	Power and electric lines out of commission; 2 garages demolished; trees uprooted.	Do.
Anadarko, Okla.	18		15		75,000	Hail.	Hailstones as large as hen's eggs caused severe loss to crops grown on about 100 farms; property damaged.	Do.
Alexandria (near), Tenn.	18				30,000	Heavy hail.	Damage to tobacco crop.	Do.
Manassa, Colo.	19	2 p.m.	14		100,000	Hail.	Severe crop damage.	Do.
Dodge City, Kans., and vicinity.	19	7:38-11:25 p.m.				Rain, wind, electrical.	Basements flooded; barns damaged; loss not estimated.	Do.
Atlantic City, N.J.	20			7		Wind.	Boats capsized causing loss of life; this storm regarded as one of the strangest occurrences ever noted in these waters.	Do.
Chouteau and Cascade Counties, Mont.	20-21			3		Rain and cold.	2 members of the Civilian Conservation Corps, in attempting to walk from one camp to another, were caught in the rain of the 20th and perished from exposure on the following day; a child lost on the 20th found dead from exposure on the 21st.	Do.
Tucson, Ariz.	21	5:10 p.m.			10,000	Thundersquall.	2 railroad underpasses and several cellars flooded and a culvert and footbridge washed out; trees blown down; other property damaged.	Do.
Butte, Mont.	21					Snowstorm.	Trees broken and gardens ruined.	Do.
New York, N.Y.	21-22					Rain and wind.	Considerable damage resulted from excessive rains in connection with high tides and gales.	Do.
Trenton, N.J.	21-24					Rain and wind.	Electric wires blown down; trees uprooted; roofs blown off; considerable damage reported.	Do.
Manzanola, Vroman, and Rocky Ford, Colo.	22	8:30-10:30 p.m.	13		275,000	Hail.	Severe crop damage.	Do.

<sup>1</sup> Miles instead of yards.

## SEVERE LOCAL STORMS, AUGUST 1933—Continued

Place	Date	Time	Width of path (yards)	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
North Carolina, northeastern portion.	22-23				\$250,000	Heavy rain and gales.	Much damage to telegraph and telephone lines, houses, highways, and fishing craft; considerable loss to crops, except tobacco which had been gathered.	Official, U.S. Weather.
Tidewater Virginia and north to Washington, D.C.	22-23			15	17,500,000	Hurricane and storm tides.	Waterfront buildings wrecked; wire lines and trees down; windows blown in; fishing equipment destroyed; traffic interrupted; small craft beached; vast damage by unprecedentedly high tides. For more detailed report see p. 233 Monthly Weather Review, this issue.	Do.
New York, southeastern portion.	22-24			1		Heavy rain and wind.	Many streams overflowed; 1 person drowned at Mount Tremper; trees and signs blown down; loss to small grain and fruit crop.	Do.
Pennsylvania, eastern portion.	22-24			4	1,000,000	Heavy rain, wind and flood.	Much loss to property and crops from wind and flooding; at Philadelphia wind velocity reached 42 miles per hour at 5:50 p.m., on the 23d; on the 24th the barometer fell to 29.40 inches, the lowest of record for August; this was the most destructive storm in 45 years.	Do.
Merino, Colo.	23	3 p.m.	1 2 1/2		10,000	Hail.	Considerable damage to crops.	Do.
Yuma, Colo.	23	5 p.m.	1 2		5,000	do.	Much loss to crops.	Do.
Fleming, Colo.	23	P.m.	1 6			do.	Several thousand dollars' damage to buildings and crops.	Do.
Atlantic City, N.J.	23-24				3,000,000	Wind, rain, and floods.	Extreme wind velocity was 76; extreme maximum velocity, 65 miles, was the highest ever recorded at this station for August; slight damage to boardwalks; street flooded.	Do.
Baltimore, Md.	23-24					Rain and gale.	Cellars flooded; this storm caused the greatest 24-hour precipitation—7.62 inches—ever recorded at Baltimore.	Do.
Claude, Tex.	24	12:40 p.m.	33		50,000	Tornado.	Wires down; property damaged.	Do.
Trenton, Nebr., and vicinity.	24					Heavy rain, flood.	2 1/2 miles of Burlington track washed out; many farmers driven from their homes; loss to crops.	Do.
Cheyenne Wells, Colo.	25			1		Electrical.	A cattleman was killed and a ranch hand seriously injured when lightning struck the chimney of a ranch house.	Do.
Big Spring, Tex.	26	12:45 a.m.—11:30 p.m.				Thunderstorm.	Buildings flooded; field at airport flooded for several hours.	Do.
Ridgeland (near), S.C.	26	4-5 p.m.		1		Thundersquall.	Man drowned during squall.	Do.
Julesburg, Colo.	26	P.m.	1 2		1,000	Gale.	Alfalfa stalks nearly leveled to the ground; loss to hay; considerable damage to chimneys, roofs and glass.	Do.
Holmes County, Ohio.	26	do.				Electrical.	Lightning destroyed a large barn and contents causing loss of several thousands of dollars.	Do.
Mount Pleasant, S.C.	26			2		do.	Lightning caused 2 deaths and the injury of 1 person.	Do.
Rocky Ford, Colo.	27	Noon				Heavy rain and hail.	Severe damage to crops of melons and sugar beets.	Do.
Cheyenne, Wyo., and vicinity.	27	12 p.m.			5,000	Rain and hail.	Houses flooded causing residents to abandon them for several hours; highways damaged; small loss to crops.	Do.
Kimball, Cheyenne, and Hitchcock Counties, Nebr.	27-28				8,000	Heavy rains.	Bridges, highways and railroad tracks washed out; basements flooded.	Do.
Kersey, Colo.	29					Electrical.	4 persons injured by lightning.	Do.
Byers, Colo.	31	P.m.	1 4-5		50,000	Hail.	Considerable crop damage.	Do.
Julesburg, Colo.	31	do.			30,000	do.	Loss to farm produce and gardens; car tops and roofs damaged.	Do.

1 Miles instead of yards.

